

Anti-XIAP Antibody Picoband®

Catalog Number: PA1512

About XIAP

BIRC4, baculoviral IAP repeat-containing protein 4 is also known as XIAP (X-linked inhibitor of apoptosis protein). The BIRC4 gene comprises 6 exons. This gene is mapped to chromosome Xq25. This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.

Overview

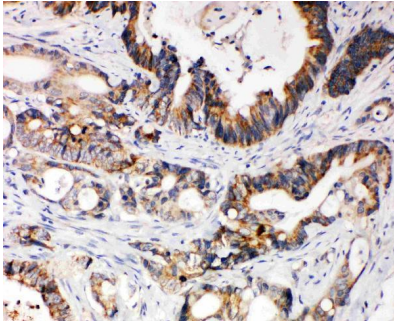
Product Name	Anti-XIAP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-XIAP Antibody catalog # PA1512. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P98170

Technical Details

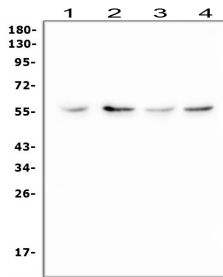
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human XIAP, different from the related mouse sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-XIAP Antibody Picoband® (PA1512) Images



Anti-XIAP antibody, PA1512, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Western blot analysis of XIAP using anti-XIAP antibody (PA1512). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysate, Lane 2: human Raji whole cell lysate, Lane 3: rat C6 whole cell lysate, Lane 4: mouse Neuro-2a whole cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-XIAP antigen affinity purified polyclonal antibody (Catalog # PA1512) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for XIAP at approximately 57KD. The expected band size for XIAP is at 57KD.

4 Publications Citing This Product

1. PubMed ID: 28300775, Wei H, Gao Z, Zheng L, Zhang C, Liu Z, Yang Y, Teng H, Hou L, Yin Y, Zou X0. Mar Drugs. 2017 Mar 16;15(3). pii: E77. doi: 10.3390/md15030077. Protective Effects of Fucoidan on Abeta25-35 and d-Gal-Induced Neurotoxicity in PC12 Cells and d-Gal-Induced...
2. PubMed ID: 23611778, Li G, Zhang S, Fang H, Yan B, Zhao Y, Feng L, Ma X, Ye X. Biochem Biophys Res Commun. 2013 May 17;434(4):809-14. Doi: 10.1016/J.Bbrc.2013.04.018. Epub 2013 Apr 20. Aspirin Overcomes Navitoclax-Resistance In Hepatocellular Carcinoma Cells Through S...
3. PubMed ID: 23391179, Wu L, Xi Z, Guo R, Liu S, Yang S, Liu D, Dong S, Guo D. Avian Pathol. 2013 Feb;42(1):32-7. Doi: 10.1080/03079457.2012.757289. Exogenous Arc Down-Regulates Caspase-3 Expression And Inhibits Apoptosis Of Broiler Chicken Cardiomyocytes Exposed To Hyd...

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Anti-XIAP Antibody

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